

**OLIGOMERIC AND POLYMERIC OLED MATERIALS PRODUCED VIA
ARYLATION OF QUINONES**

ABSTRACT OF THE DISCLOSURE

5 OLED materials are provided that have the general formula:



wherein the subscript n is an integer of from 5 to 15; the superscript i is an integer of from 1 to n and denotes the position downstream from R¹; each Arⁱ is a substituted or unsubstituted aryl group; R¹ and R² are each substituents that increase the solubility of the para-phenylene compound in nonpolar organic solvents relative to the solubility of the corresponding compound wherein R¹ and R² are hydrogen; with the proviso that the Arⁱ groups are linked together in a 1,4-paraphenylene manner.

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